National Institute
of Standards and Technology

National Voluntary
Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

Scope of Accreditation

CALIBRATION LABORATORIES   **NVLAP LAB CODE 200487-0**

S. HIMMELSTEIN AND COMPANY
2490 Pembroke Avenue
Hoffman Estates, IL 60195-2077
Mr. Richard Tveter
Phone: 847-843-3300   Fax: 847-843-8488
E-Mail: rstveter@aol.com
URL: http://www.himmelstein.com

NVLAP Code: 20/A01   ANSI/NCSL Z540-1-1994; Part 1   Compliant

ELECTROMAGNETICS - DC/LOW FREQUENCY

NVLAP Code: 20/E06
DC Voltage

Range	*Best Uncertainty* $(\pm)$[note 1]	*Remarks*
1 to 4.5 mV/V	4.5 μV/V	

September 30, 2005

Effective through

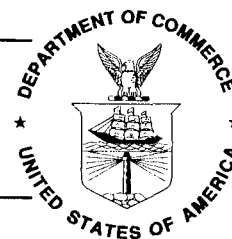For the National Institute of Standards and Technology

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NVLAP ®

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MECHANICAL

NVLAP Code: 20/M06
Force - Calibration of Load Cells

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
5 to 500 lbs	0.03 % F.S.	

NVLAP Code: 20/M06
Torque - Calibration of Torque Devices

Full Scale Range in lb-in	*Best Uncertainty (±) in %*[note 1,2]	*Remarks*[note 3]
24	0.040	4" lever arm length
200	0.030	12.5" lever arm length
2000	0.030	25" lever arm length
20,000	0.020	40" lever arm length
100,000	0.020	100" lever arm length
349,000	0.060	720" lever arm length
4,000,000	0.060	50" lever arm length

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NVLAP Code: 20/M14
Shaft Speed (RPM)

Range	*Best Uncertainty $(\pm)^{note\ 1}$*	*Remarks*
900 to 10,000 RPM	1 RPM or 0.03% whichever is greater	

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1. Represents an expanded uncertainty using a coverage factor, k=2.
2. Represents uncertainty of full scale.
3. All loading is applied by dead weights except when using the 50" arm which uses a load cell.

September 30, 2005

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